

EPA - Permit Branch  
Region 1  
J.F. Kennedy Fed. Bldg.  
Boston MA 02003

*Titleist*  
GOLF DIVISION

S.Mills

January 21, 1985

Mr. Richard Cretien  
DEQE - Div. of Water  
Pollution Control  
One Winter Street  
Boston MA 02108

Re.: Cooling Tower Treatment Chemicals

Dear Mr. Cretien,

Per the Department's March 19, 1984, verbal approval, the Acushnet Company, Titleist Golf Division has been using Dearborn Chemical Dearcide 716 biocide to treat cooling tower water. Bioassay's were conducted by Lycott Environmental Research, Inc., and submitted to Jerry Szal of the Westborough Office and Richard Cretien of the Boston DEQE office.

Blow down from the boilers and cooling towers enter the drainage system and meet the Plant Process water at outfall 010. The Plant Process water which has been through the treatment plant combines with the boiler and cooling tower blow down to yield a total daily outfall flow of approx. 600,000 gal.

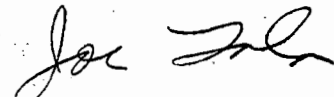
Dearcide 716 is added at a total rate of approx. 14 lbs. per week. In a 600,000 gal./day discharge, this will result in a 0.4 mg/l discharge.

$14\# \text{ wk} \times 1 \text{ wk}/7 \text{ days} \times \text{day}/600,000 \text{ gal} \times 454 \text{ g}/\# \times 1000 \text{ mg}/\text{g} \times \text{gal}/3.785 \text{ l} =$   
0.4 mg/l

The concentration of 0.4 mg/l 716 does not take into account organic consumption or decomposition of the product. The discharge concentration is probably less than 0.4 mg/l 716.

If there are any questions, please contact me at (617) 997-2811, ext. 2549.

Very truly yours,



Joe Lala  
Process Engineer -  
Quality Assurance Dept.

JL/rf



ACUSHNET COMPANY

P.O. BOX B965, NEW BEDFORD, MA 02741  
TELEX 929470 CABLE: ACUSHNET ACUS

TEL. (617) 997-2811

RECEIVED  
JAN 1 1974  
(COMPLIMENTARY)